

# Global Distributed Acoustic Sensing (DAS) Market Size study, by Fiber Type (Single Mode Fiber, Multimode Fiber), by End-User (Oil & Gas, Military, Infrastructure, Transportation, Others) and Regional Forecasts 2019-2026

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## Abstracts

Global Distributed Acoustic Sensing (DAS) Market is valued approximately USD 352.02 million in 2018 and is anticipated to grow with a healthy growth rate of more than 11.8% over the forecast period 2019-2026. Distributed Acoustic Sensing (DAS) are a revolutionary photonic sensing technology that transforms standard communications fiber into a linear range of discrete vibration sensors. In other words, DAS is an adaptable fiber aided technology capable of providing a vital layer of intelligence for a wide range of markets and applications. This technology is primarily used in various activities such as hot-tapping pipelines, moving vehicles, industrial operations, perimeter intrusions, failing mechanical components, and so on all generate vibrations with different acoustic qualities. DAS technology scrutinizes these vibrations, and if supported by the appropriate software precisely detects, classifies and reports on the vibration events. Increasing energy demand worldwide, ability to function in harsh environment, enhancing oil & gas operations and surge in reliability of distributed fiber optic sensing equipment are the few factors responsible for high growth of the market over the forecast period. For instance, In the United States, the total energy consumption attained a record as high of 2.3 Gtoe in 2018, represent an increase from around 3.5% from 2017, as per the Enerdata. Similarly, in Asia, the consumption of energy reached about of 5859 Mtoe in 2018, up from around 5,672 from 2017. With the rise in demand of energy, the adoption of distributed acoustic sensing is growing all over the world. However, technical problems associated with the fiber cable deployment is the major force, restraining the growth of global Distributed Acoustic Sensing (DAS) market during the forecast period.

The regional analysis of global Distributed Acoustic Sensing (DAS) Market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to the increasing acceptance of Distributed Acoustic Sensing (DAS) products due to the surge in the activities of shale energy exploration along with growing oil & gas industry in the region. However, North America is anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Owing to the development of the horizontal drilling and hydraulic fracturing technology boosted the market for shale energy across the North America region.

Major market player included in this report are:

Qinetiq Group PLC

Halliburton Co.

Schlumberger NV

Baker Hughes, Inc.

Future Fibre Technologies Ltd.

Northrop Grumman Corp.

Fotech Solutions Ltd

Omnisens SA

Silixa Ltd

Ziebel AS

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Fiber Type:

Single Mode Fiber

Multimode Fiber

By End-User:

Oil & Gas

Military

Infrastructure  
Transportation  
Others

By Region:

North America  
U.S.  
Canada  
Europe  
UK  
Germany  
Asia Pacific  
China  
India  
Japan  
Latin America  
Brazil  
Mexico  
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global Distributed Acoustic Sensing (DAS) Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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